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attachment to interview summary - /tgs/ 1774  
19 OCT 2010

## Fax Cover Sheet



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DATE: October 18, 2010

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Examiner Tony G. Soohoo	USPTO	571-273-1147	571-272-1147

FROM: Brian C. Anscomb

CLIENT/MATTER: USSN: 10/535,262 PAGES INCLUDING THIS PAGE: 2

Dear Examiner Soohoo,

proposed new claim 31 is enclosed for your review and discussion during our October 19, 2010 telephonic interview at 4:00 PM EST. I look forward to discussing this patent application with you tomorrow.

Best regards,

Brian C. Anscomb (Reg. No. 48,641)

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PROPOSED CLAIM AMENDMENT

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31. (new) A static lamination micro-mixer for mixing, dispersing, emulsifying or suspending at least first and second fluid phases, the micro-mixer comprising:

a lower housing part having a first feed channel for the first fluid phase and a second feed channel for the second fluid phase, wherein the first and second feed channels have partially openings on an upper side of the lower housing part;

at least one slotted plate resting on the lower housing part and having first slot openings and second slot openings, wherein the first and second slot openings completely penetrate the slotted plate and are arranged in pairs;

an aperture plate resting on the slotted plate and having at least one slot-shaped aperture opening, wherein the at least one aperture opening completely penetrates the aperture plate; and

a mixing chamber located above the aperture plate,

wherein one end of the first slot openings of each pair is in direct fluidic contact with the first feed channel in the lower housing part and one end of the second slot openings of each pair is in direct fluidic contact with the second feed channel in the lower housing part, wherein the first and second slot openings overlap the aperture opening in the aperture plate,

wherein an overlap between the partial openings on the upper side of the lower housing part, the first and second slot openings in the slotted plate and the aperture opening in the aperture plate is nonidentical in a vertical projection onto the slotted plate, such that

a first continuous, at least twice deflected, fluid pathway is formed from the first feed channel in the lower housing part, through the first slot openings of each pair in the slotted plate, to the mixing chamber located above the aperture plate, and

a second continuous, at least twice deflected, fluid pathway is formed from the second feed channel in the lower housing part, through the second slot openings of each pair in the slotted plate, to the mixing chamber located above the aperture plate

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